

FIG. 1

FIG. 2 is a block diagram of a system architecture for a trading partner engine. The system includes two trading partners (204A and 204B) connected to a central network (206). Each trading partner contains a front end (208A and 208B), a TPE client (212A and 212B), and a message base/data dictionary (216A and 216B). The network (206) is connected to a trading partner engine (202) which includes a translator (210). The trading partner engine (202) is connected to four databases: History Base (224), TPE Message Base (220), TPE Data Dictionary (222), and TPE Mapping File Base (226).

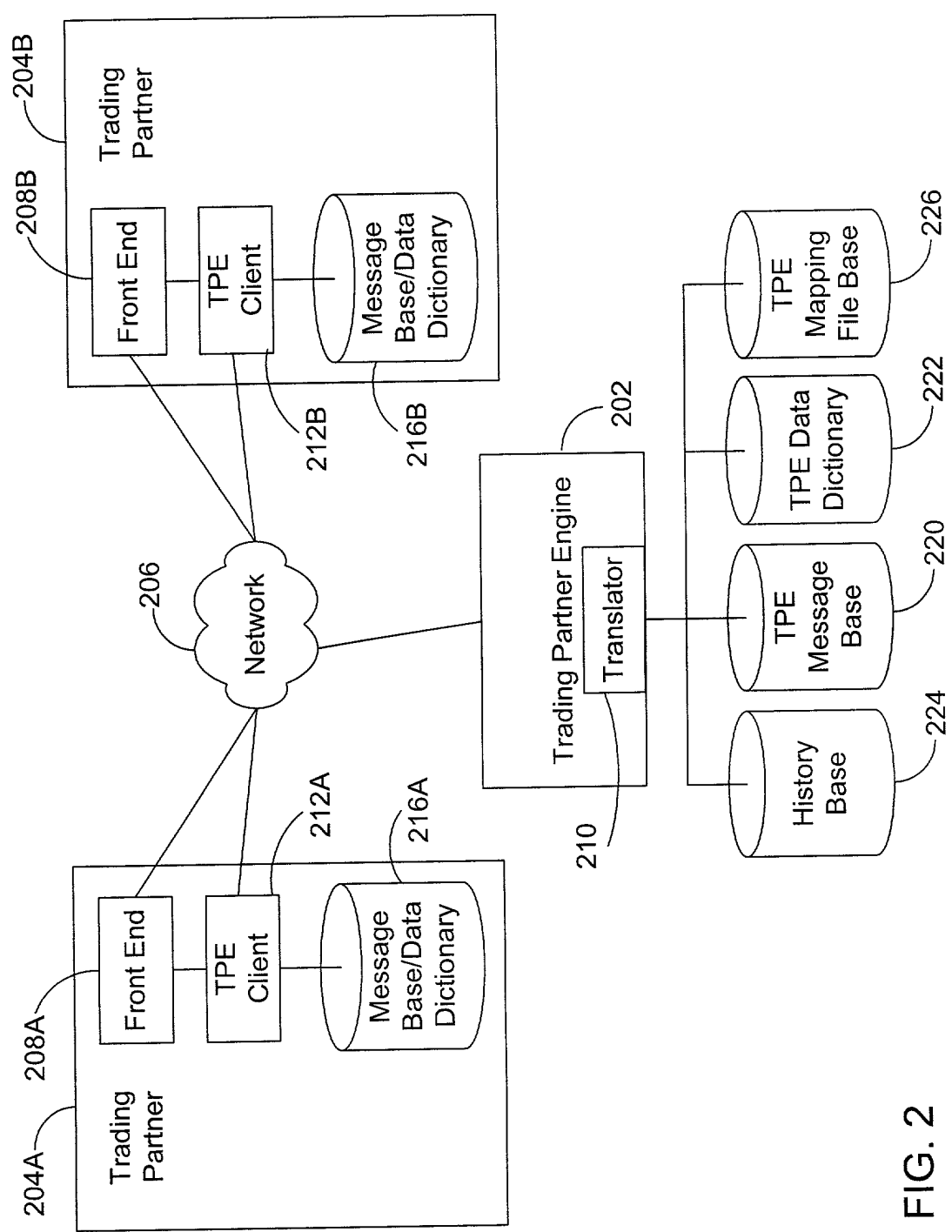


FIG. 2

FIG. 3 is a block diagram of a system architecture for a trading partner engine. The system includes a Marketplace Server (318A) and a Trading Partner (304A) connected via a Network (306). The Marketplace Server (318A) contains a Translator (310A) and a Mapping File Base (314A). The Trading Partner (304A) contains a Front End (308A) and a Message Base/Data Dictionary (316A). The Trading Partner Engine (302) is connected to the Network (306) and contains a History Base (324), a TPE Message Base (320), a TPE Data Dictionary (322), and a TPE Mapping File Base (326).

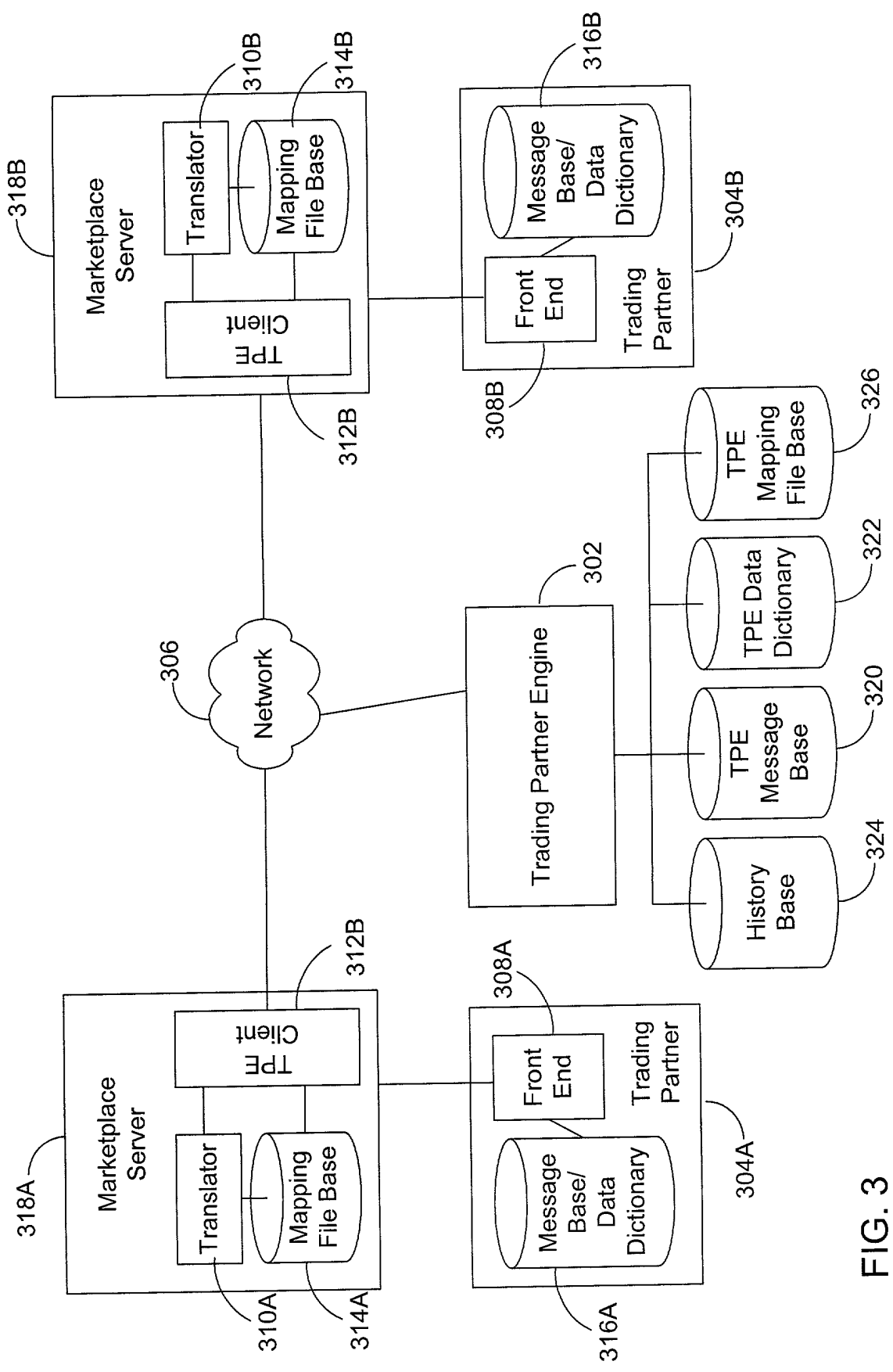


FIG. 3

FIG. 4 is a block diagram of a system architecture for a Trading Partner Engine (TPE) system. The system includes a Network (406) connecting various components. On the left, a Marketplace Server (418A) contains a TPE Client (412A). On the right, a Marketplace Server (418B) contains a TPE Client (412B). Both TPE Clients are connected to the Network. The Network is also connected to a Trading Partner Engine (402), which includes a Translator (410). The Trading Partner Engine is connected to four databases: History Base (424), TPE Message Base (420), TPE Data Dictionary (422), and TPE Mapping File Base (426). Additionally, the Network is connected to two Trading Partners (404A and 404B). Each Trading Partner includes a Front End (408A and 408B) and a Message Base/Data Dictionary (416A and 416B). The Front Ends are connected to the Network, and the Message Bases/Data Dictionaries are connected to the Front Ends.

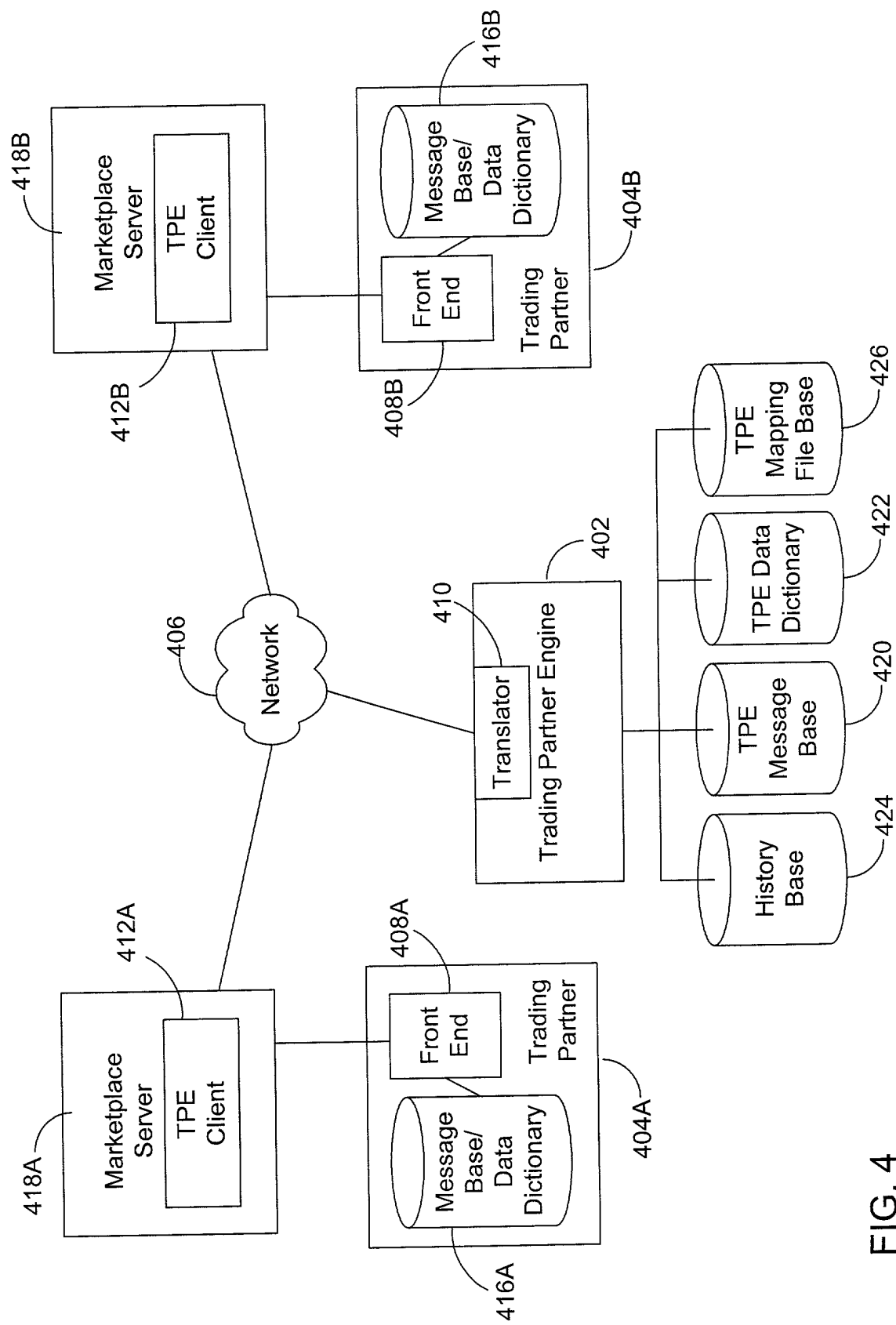


FIG. 4

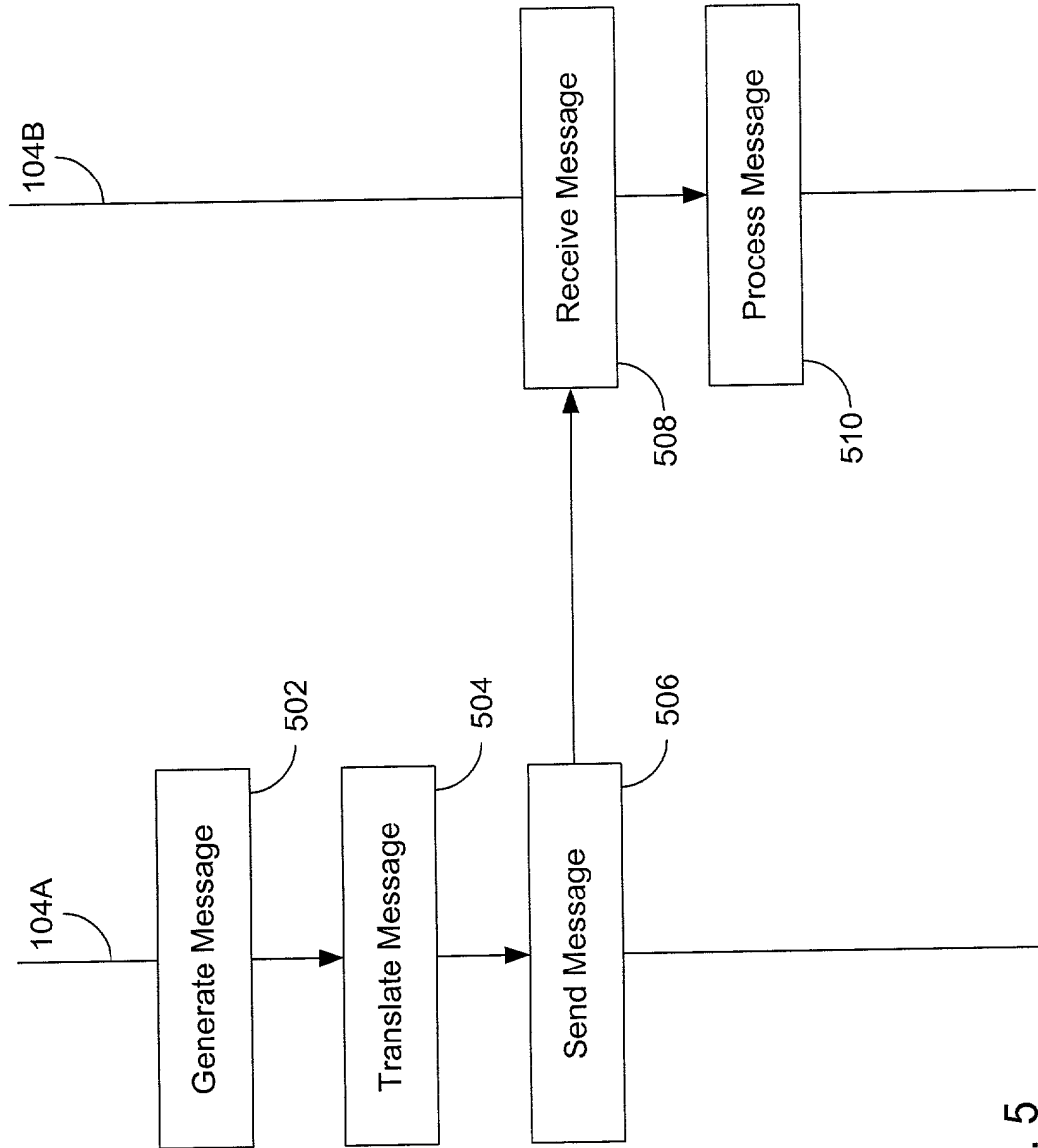


FIG. 5

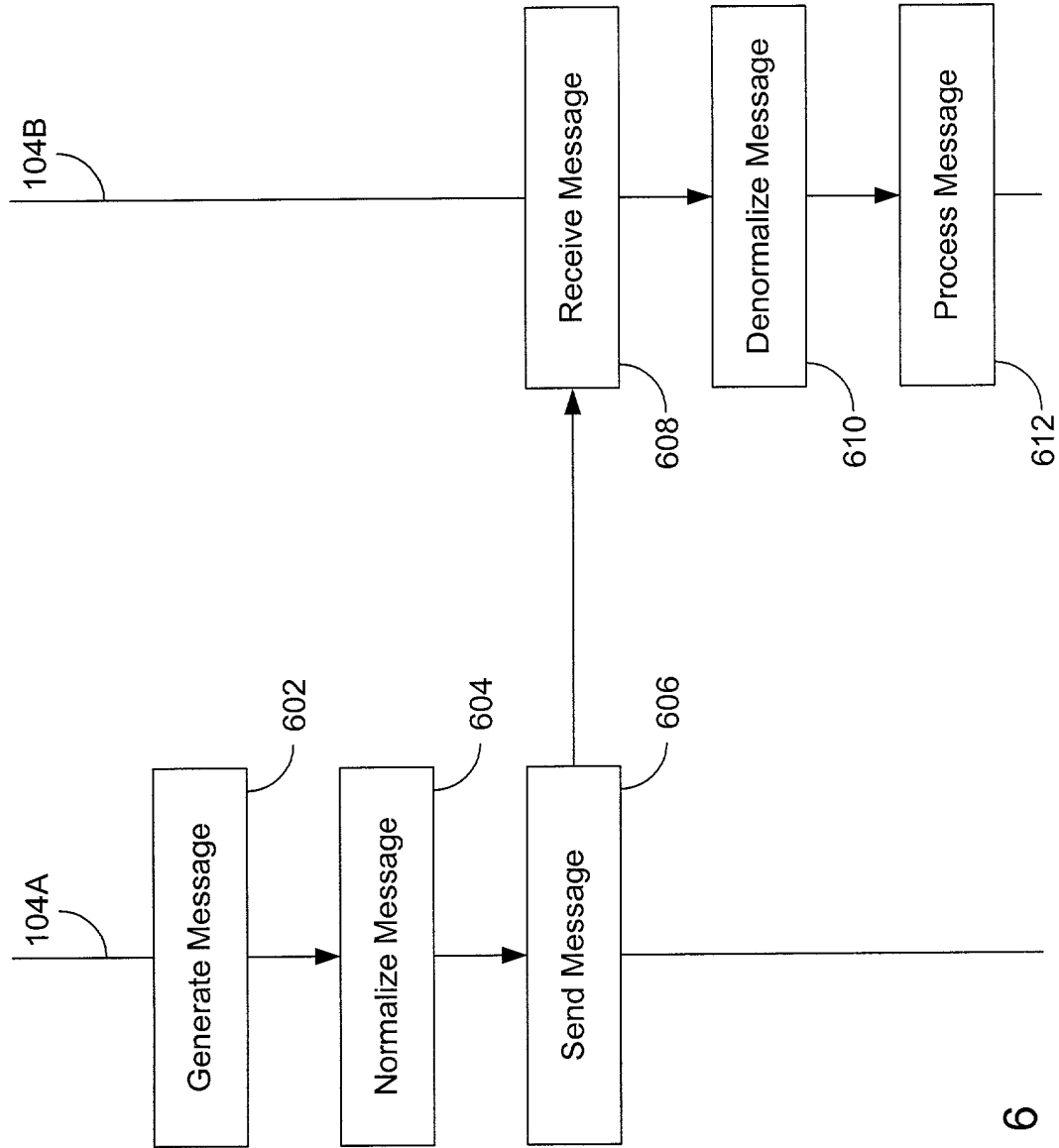


FIG. 6

FIG. 7 is a block diagram of a message processing system 700. The system 700 includes a message generator 702, a message sender 704, a message receiver 706, a message translator 708, a message sender 710, a message receiver 712, and a message processor 714. The message generator 702 is connected to the message sender 704. The message sender 704 is connected to the message receiver 706. The message receiver 706 is connected to the message translator 708. The message translator 708 is connected to the message sender 710. The message sender 710 is connected to the message receiver 712. The message receiver 712 is connected to the message processor 714. The system 700 is connected to a network 202 and a network 204B.

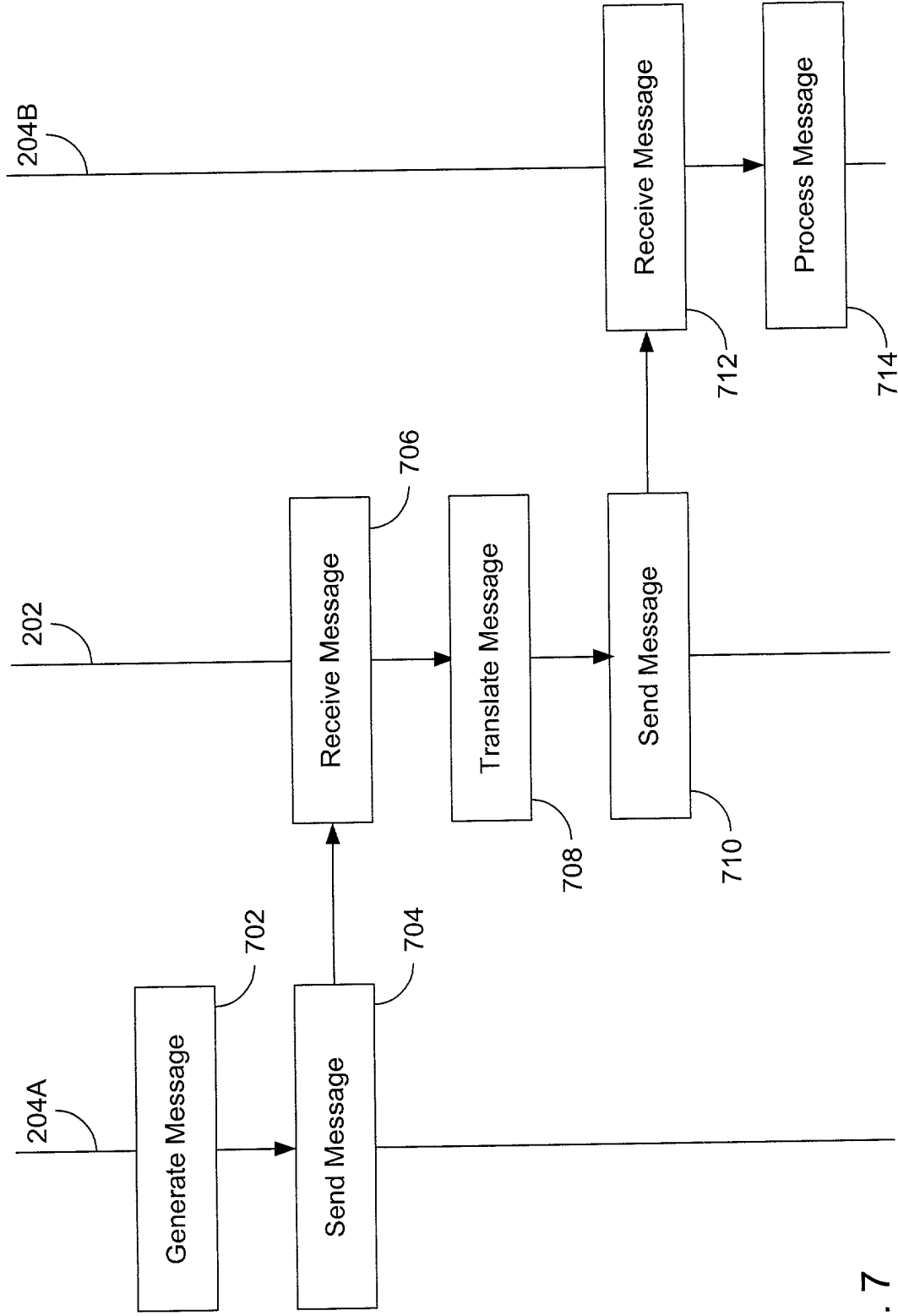


FIG. 7

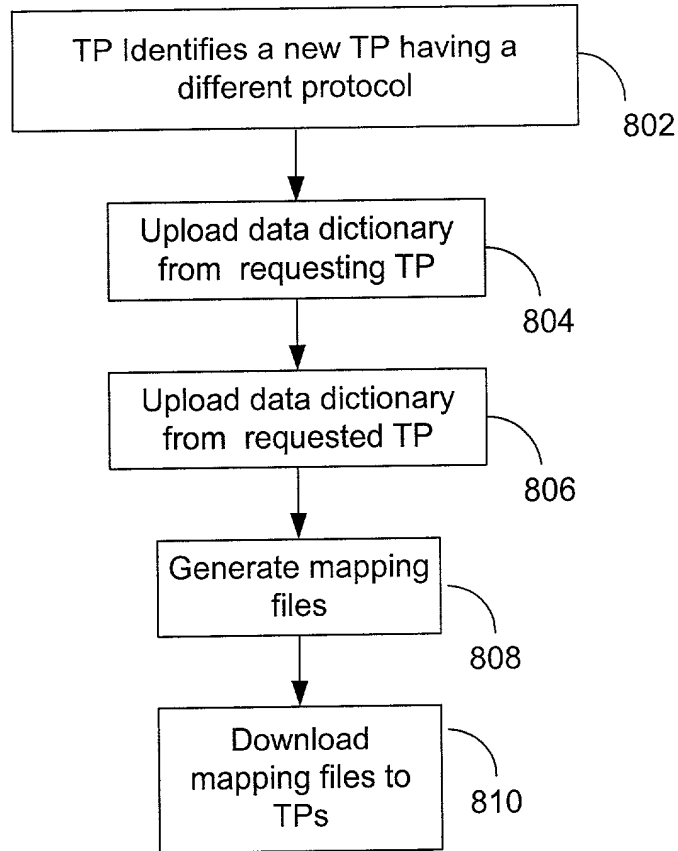


FIG. 8

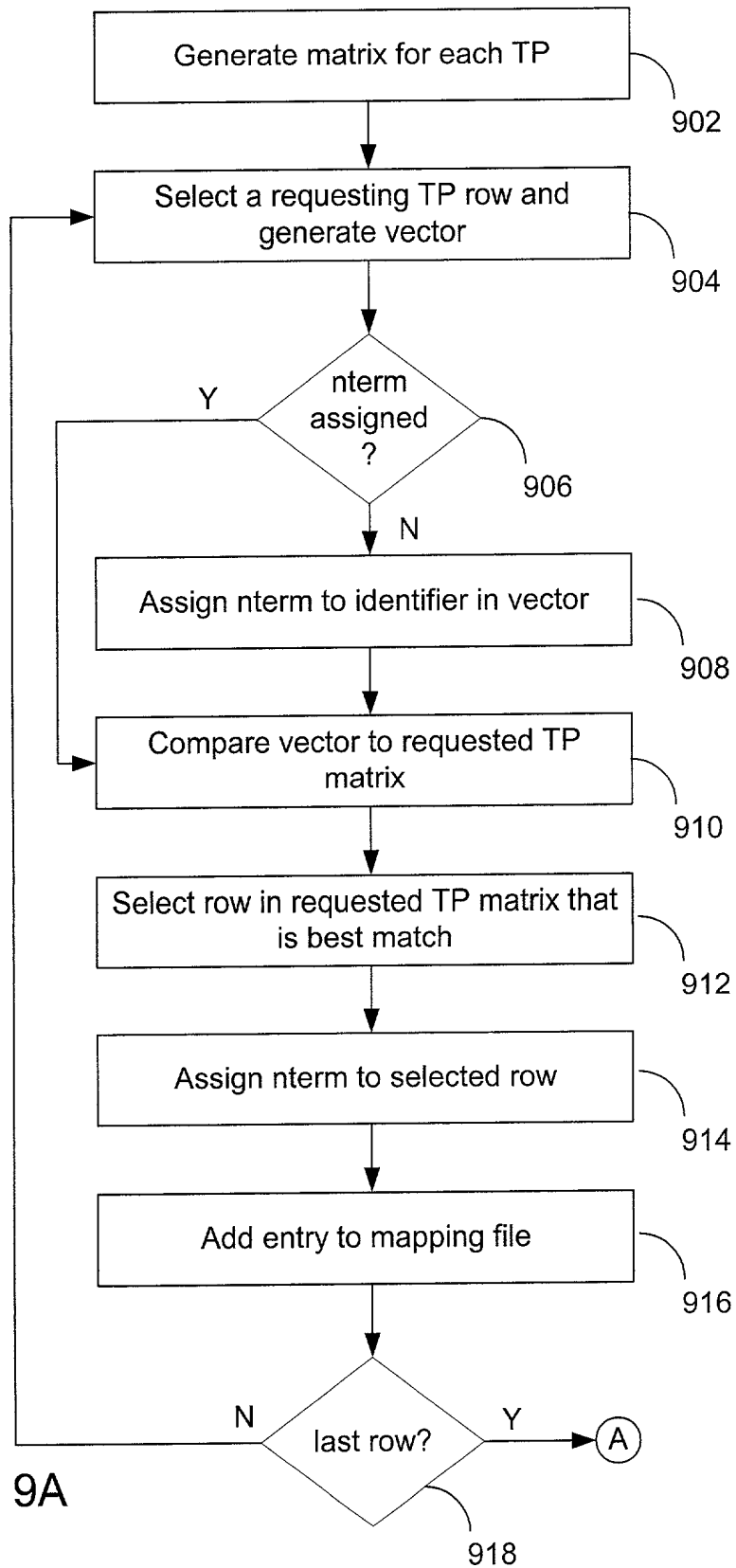


FIG. 9A

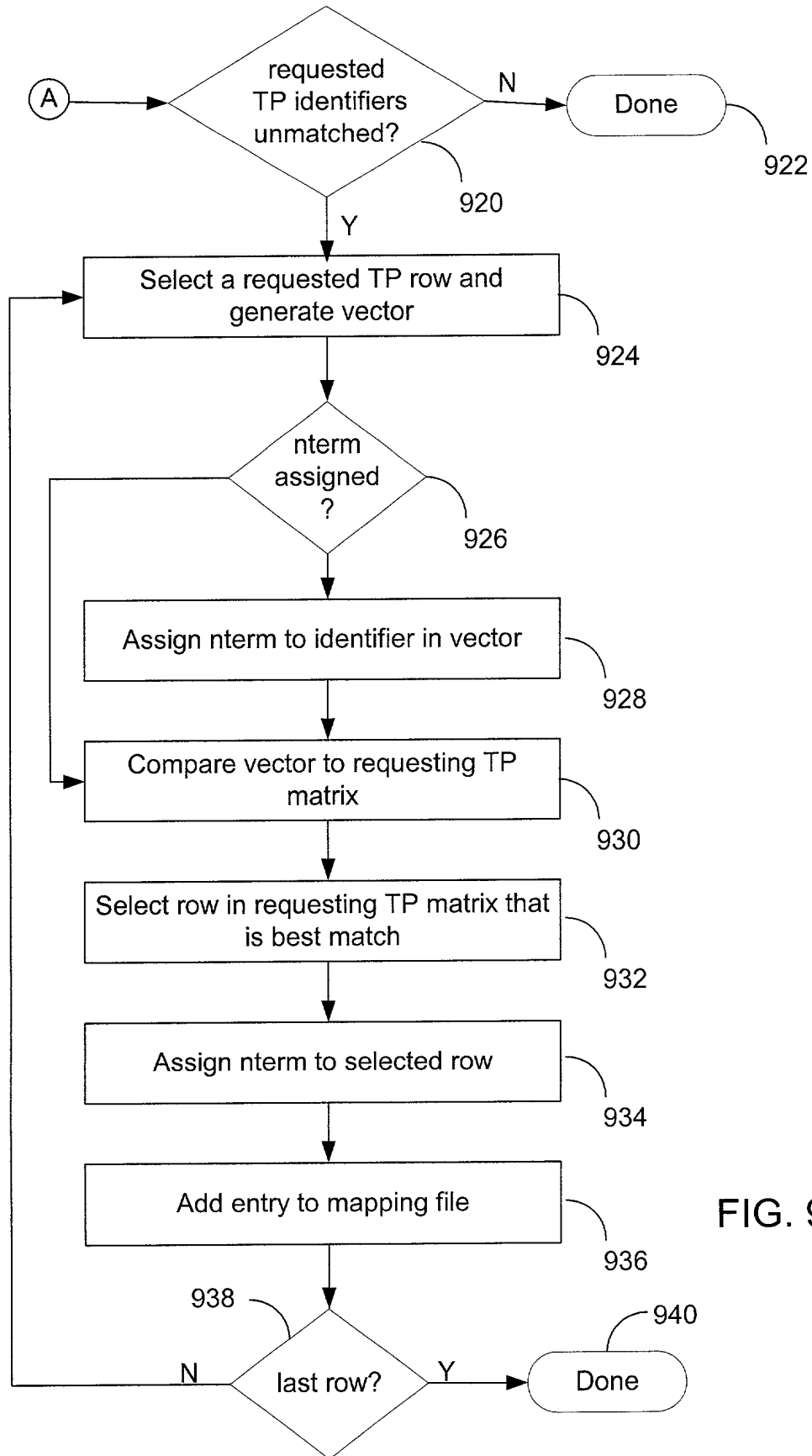


FIG. 9B